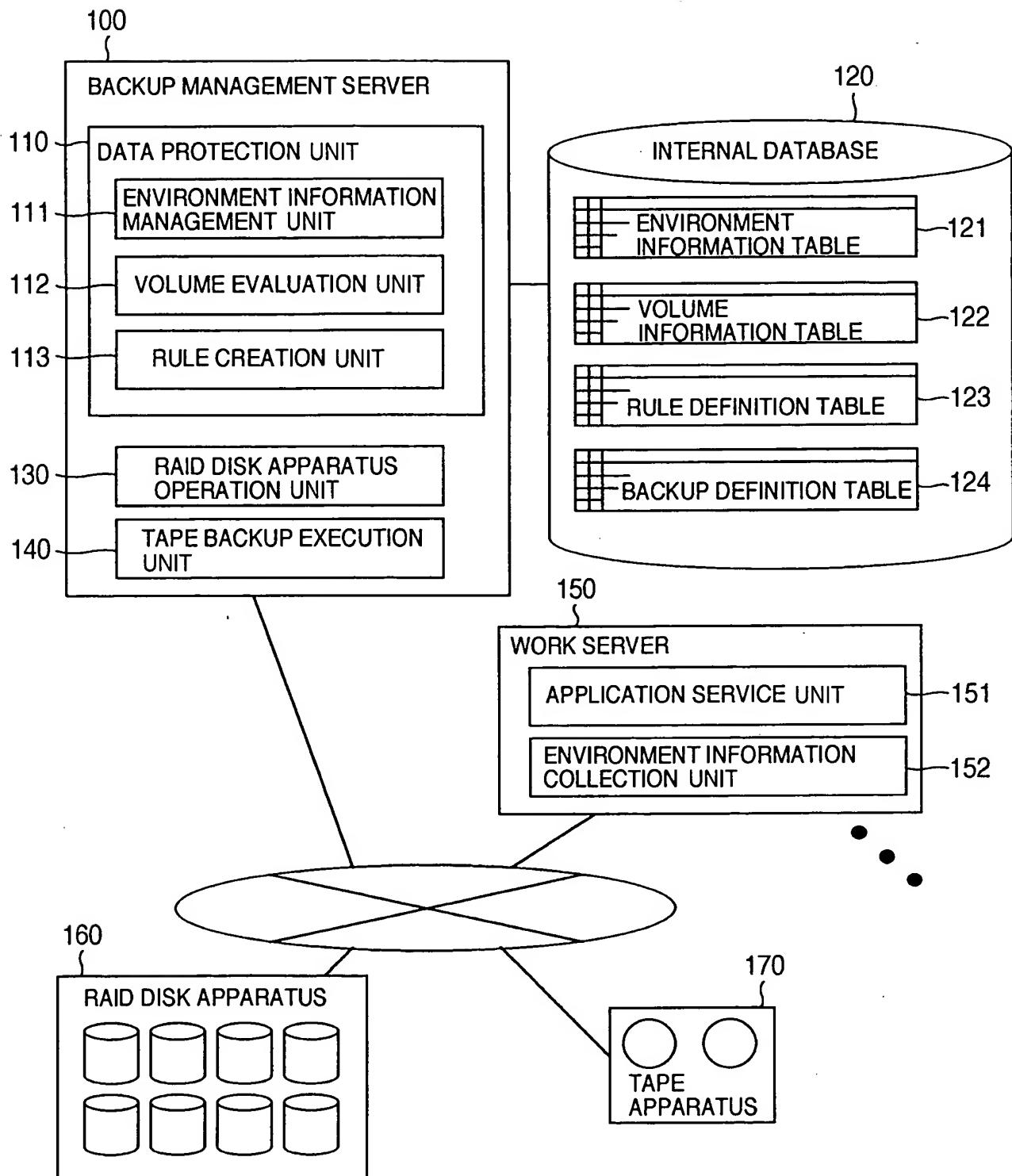
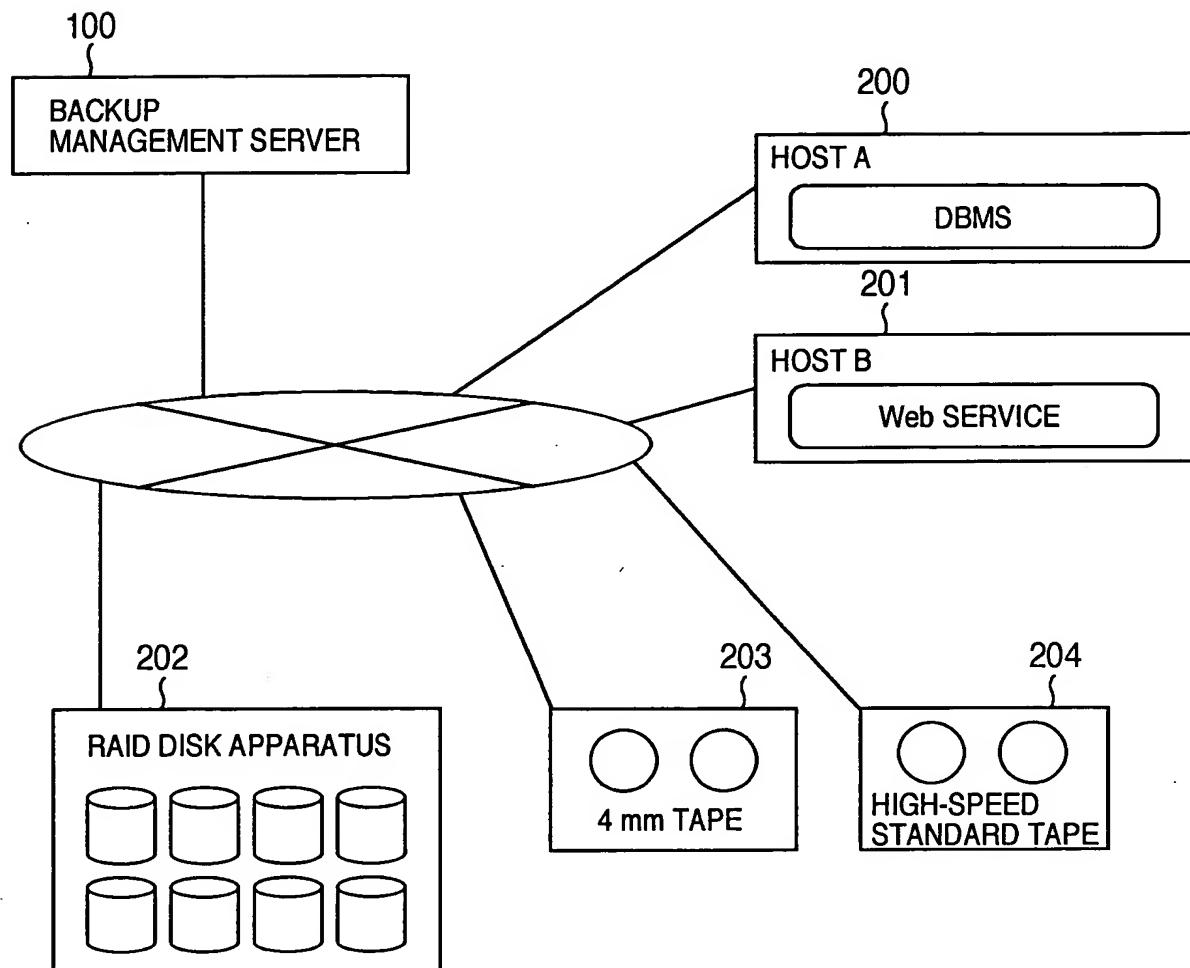


FIG.1  
SYSTEM CONFIGURATION



**FIG.2**  
EXAMPLE OF OPERATION CONFIGURATION



**FIG.3**  
ENVIRONMENT INFORMATION TABLE

300 OBJECT ID	301 OBJECT TYPE	302 NAME	303 HOST NAME
A0000001	TAPE	4 mm TAPE APPARATUS	HOST A
A0000002	TAPE	HIGH-SPEED STANDARD TAPE APPARATUS	HOST B
A0000003	DataBase	DBMS	HOST A
A0000004	Service	Web SERVICE	HOST B

**FIG.4**  
VOLUME INFORMATION TABLE

400 VOLUME ID	401 ACCESS			402 SIZE		403 NUMBER OF FILES
	COUNT	TYPE	INTERVAL	USE SIZE	DIFFERENCE SIZE	
V0000001	50000	Read	10sec.	50GB	0 MB	300
V0000002	100000	R/W	5sec.	30GB	0.1 MB	30000
V0000003	1	R/W	7days	20GB	1 MB	10000
V0000004	100	Write	60sec.	10GB	0.1 MB	200

407 VOLUME NAME	408 USER WEIGHT PARAMETER			410 411 BACKUP DEFINITION INFORMATION
	ACCESS	SIZE	NUMBER OF FILES	
/disk01/dbms	80	20	0	B0000001 B0000002
/disk02/www	100	0	0	B0000003
E :	0	20	80	B0000004
F :	0	60	40	B0000005 B0000006

**FIG.5**  
RULE DEFINITION TABLE

RULE ID	ACTION ELEMENT	CONDITION ELEMENT						NUMBER OF FILES
		ACCESS			SIZE			
	BACKUP METHOD	COUNT	TYPE	INTERVAL	USE SIZE	DIFFE-RENCE SIZE		
R0000001	4 mm TAPE BACKUP	—	Read	WIDE	—	—	SMALL	
R0000002	HIGH-SPEED STANDARD TAPE BACKUP (FULL)	—	Read	WIDE	LARGE	—	SMALL	
R0000003	HIGH-SPEED STANDARD TAPE BACKUP (DIFFERENCE)	—	—	—	—	LARGE	—	
R0000004	DISK BACKUP	—	—	—	LARGE	—	LARGE	
R0000005	PLURAL-GENERATION DISK BACKUP	LARGE	R/W	—	—	—	LARGE	
R0000006	MIRRORING (DISK DUPLICATION)	LARGE	R/W	NARROW	—	—	LARGE	

**FIG.6**  
BACKUP DEFINITION TABLE

BACKUP DEFINITION ID	RULE ID	VOLUME ID	OBJECT ID
B0000001	R0000002	V0000001	A0000003
B0000002	R0000005	V0000001	A0000003
B0000003	R0000006	V0000002	A0000004
B0000004	R0000001	V0000003	A0000005
B0000005	R0000002	V0000004	A0000006
B0000006	R0000004	V0000004	A0000006

**FIG.7**  
EXAMPLE OF USER WEIGHT PARAMETER INPUT

WEIGHT PARAMETER

ACCESS  SIZE  NUMBER OF FILES

ENVIRONMENT INFORMATION UPDATING

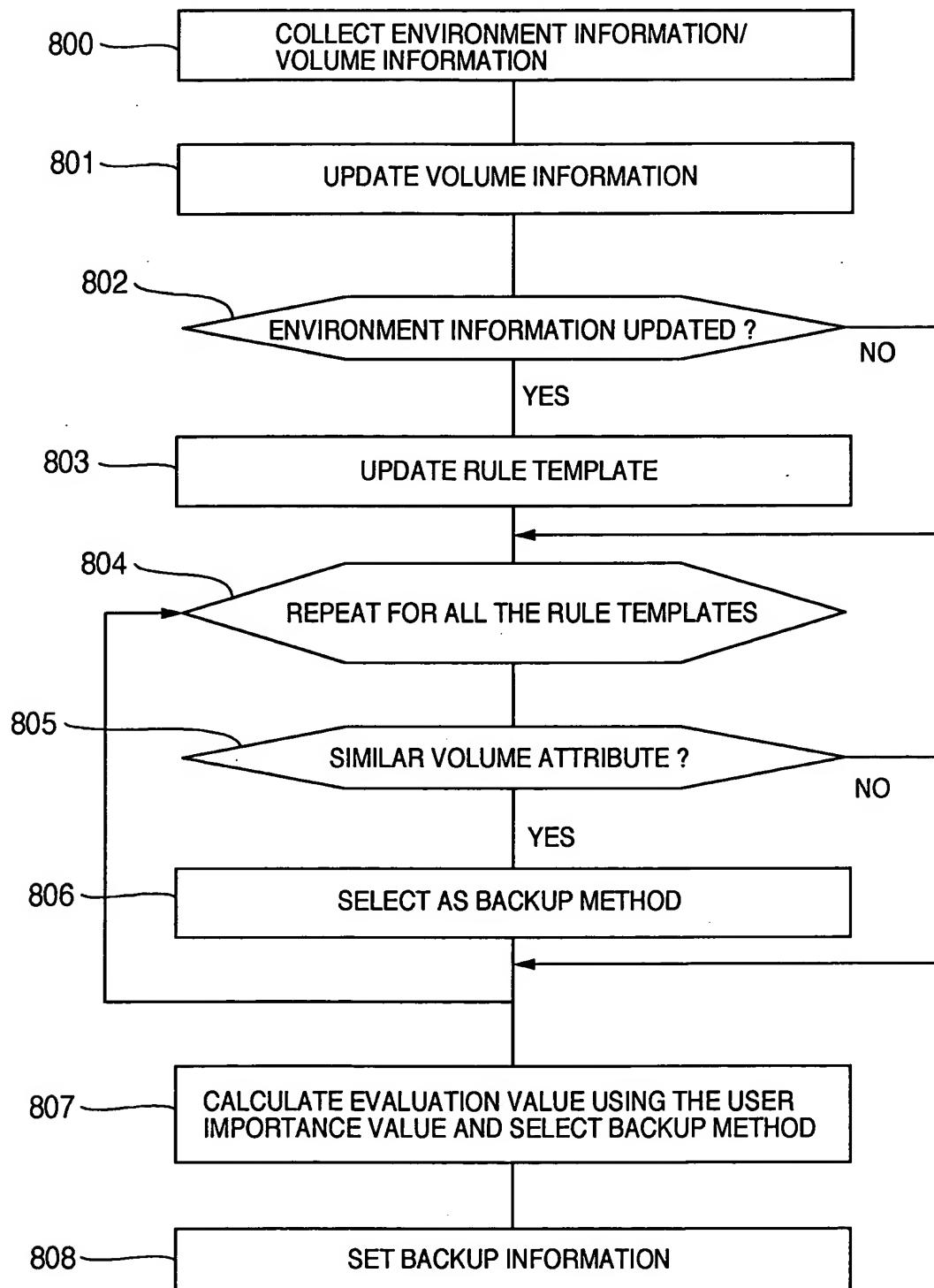
ENVIRONMENT INFORMATION COLLECTION/  
EVALUATION NOT PERFORMED PERIODICALLY  
 ENVIRONMENT INFORMATION COLLECTION/  
EVALUATION PERFORMED PERIODICALLY

UPDATE INTERVAL  DAY  HOUR

OK CANCEL

# FIG.8

## FLOWCHART OF BACKUP METHOD SELECTION PROCESSING



## FIG.9

VOLUME ID	UPDATE INTERVAL	COUNTER
v0000001	1 day	3 hours
v0000002	15 hours	10 hours
v0000003	30 minutes	22 minutes
v0000004	2 hours	2 hours

## FIG.10

INSTRUCTION INFORMATION	SELECTION CONDITION
HIGH-SPEED RESTORE	DISK
HIGH RELIABILITY	MIRRORING
⋮	⋮

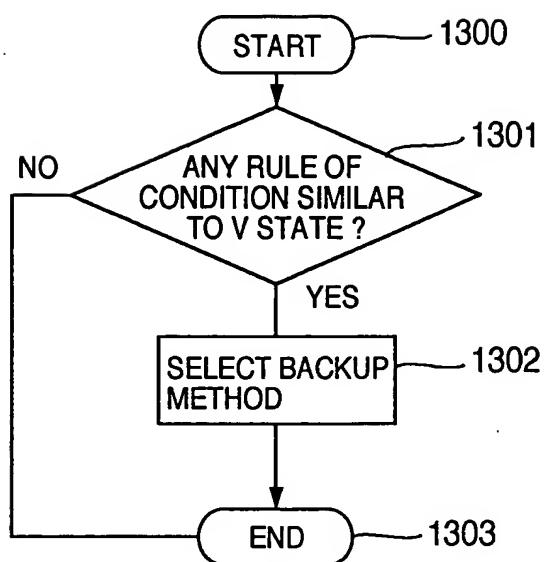
# FIG.11

1100	1101	1102
DATABASE NAME	FILE NAME	VOLUME ID
System	aaa.txt	v0000001
System	bbb.txt	v0000001
⋮	⋮	⋮
temp	ccc.txt	v0000004

# FIG.12

1200	1201	1206	1202
VOLUME ID	SELECTED RULE	APPLICATION RESULT	
v0000001	HIGH-SPEED STANDARD TAPE BACKUP	▼	12 minutes
1203	1204	1205	
CONDITION ELEMENT	VALUE	WEIGHT PARAMETER	
ACCESS	COUNT	5000	80
	TYPE	Read	
	INTERVAL	10	
SIZE	USE SIZE	50	20
	DIFFERENCE SIZE	0	
	NUMBER OF FILES	300	

**FIG.13**



**FIG.14**

